

J. POTTER
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HOSPITAL EPISCOPAL SAN LUCAS

CALLE GUADALUPE FINAL - APARTADO 2027

PONCE, PUERTO RICO 00733

(809) 840-4545

85 JUL 31 A 8:42

July 16, 1985

U.S. Nuclear Regulatory Commission
Nuclear Materials Safety Section
Division of Radiation Safety and
Safeguards-Region II
101 Marietta Street, N.W.
Atlanta, Georgia 30303

Gentlemen:

Subject: License Renewal 52-16061-01

Our material license # 52-16061-01 has an expiration date of July 31, 1985. We have been waiting for your usual reminder notice for renewal with special instructions to fill out the new application.

Since your reminder have not arrived we are submitting a renewal application with pertinent information.

The enclosed up to date application follows the regulatory guide 10.8 of October 1980.

If additional information is needed, let us know either by phone or mail.

Sincerely,

Manuel J. Vázquez
Manuel J. Vázquez, MSHA
Administrator

License Fee Information
on page 4pp

mao

Enclosure

8510230040 850917
REQ2 LIC30
52-16061-01 PDR

U.S. N.R.C.
N. FEE MGMT. BRANCH

85 AUG -9 P1:59

RECEIVED

5/5/85
Rec'd 7/31/85

Official Copy

Postmarked 7/22/85

Additional Information Submitted
To Form NRC 313 M

Item 5 Dr. Julio Morales will be the R.S.O. on a day-to-day basis. Saint Luke's Hospital also has the services of a Health Physicist Consultant, Mr. Daniel Torres. Mr. Torres has a Master Degree in Radiation Physics and twenty six years experience in health and medical physics. The consultant will supervise all radiation safety activities and will make pertinent recommendations and surveys in order to comply all radiation safety regulations. He will be available on call in case of emergency.

Item 7 Radiation Safety Committee Members:

- (a) Julio A. Morales, M.D. - Nuclear Medicine
- (b) Manuel Vázquez - Administrator
- (c) Lilliam Cruz, M.D. - Radiologist
- (d) Daniel Torres, M.S. - Physicist
- (e) Mrs. Madeline Cruz - Head Nurse
- (f) Mrs. Nivia Mercado - Quality Assurance Coordinator

The committee duties are as in Appendix B, with meetings quarterly or as needed.

Item 8 Training and experience

- (a) Julio Morales, M.D. - authorized to use radioactive material under license number 52-10270
- (b) Luis A. López de Victoria, M.D. - authorized to use radioactive material under license number 8-08327-02 at Capital Hill Hospital in Washington and Damas Hospital in Puerto Rico 52-10270

Item 10 Calibration of Instruments

The hospital consultant will take care of all calibrations. His name and license number are: Mr. Daniel Torres, M.S., license number 52-18306.

Item 11 Laboratory Facilities

Our Nuclear Laboratory facilities are very limited in scope. Routine brain, liver and bone studies are carried out for a total of twenty five (25) studies weekly. The equipment is limited to one (1) camara. We also have a fume hood where we keep our dose calibrator, and L-block lead shield.

During last year there was no need to use iodine 131. In case of need to use iodine 131 for therapeutic treatment the following procedure will be followed. When a patient is considered for treatment, he is hospitalized. The total dose to be given is requested from supplier and the same patient drinks the I-131 dose directly from the shielded vial using a plastic straw, under the supervision of the authorized medical license. We do not expect more than three (3) cases per year. If a case arrives for hyperthyroidism, the dose to be given is less than ten (10) millicuries and the use of capsules is preferred and used.

Routine surveys in each patient room will be conducted after the administration of a therapeutic dose of I-131. Marking with radiation warning tape is placed in the floor to indicate areas of radiation limits.

The laboratory personnel as well as nursing staff will follow the procedures established in Appendix K of regulatory guide 10.8.

Our laboratory personnel will maintain records of measurements made to the thyroid gland in order to detect levels of I-131 above the normal limits. The routine thyroid checks will be performed at Damas Hospital, Lic. 52-10270, because they perform more studies and have the equipment capabilities for such studies.

The Hospital will possess and use licensed material in accordance with the statements, representations and procedures contained in this application and letters dated July 9, 1980, January 28, 1981, and February 19, 1985.

Item 12 Personnel Training Program

Technologists will receive instruction on a routine basis pertaining to radiation and safety in the laboratory. The training program will include lectures, seminars, and case evaluation. All members of the radiation safety committee will participate in the training program. Ancillary personnel will be invited to lectures pertaining to radiation safety in the laboratory and also will participate in exercises carried out to solve problems involving radiation hazards. The training program will include among others the following topics:

- (a) Radiation safety
- (b) Dosimetry
- (c) Decontamination
- (d) Instruments performance and uses

- (e) N.R.C. Regulations
- (f) Handling of radiation problems and emergency procedures
- (g) Radiation exposure limits and bioassay results
- (h) License limitations and terms
- (i) Good housekeeping

All principles and concepts of the ALARA Program will be emphasized.

Item 13 Procedures for ordering and accepting Delivery of Radioactive material

- (a) All orders for radioactive materials will be requested thru the Nuclear Medical Laboratory Director. The technologist will ensure that the materials and quantities requested are authorized by the license and the limits are not exceeded.
- (b) Coordination between laboratory and the purchasing office will be established.

Routinely used materials will be placed in special orders and written records maintained of all isotopes, activity levels and expiration dates.

Isotopes for therapeutic uses will be placed in separate orders to include the following:

- (1) Written request from physician in charge of laboratory
- (2) The request will include isotope, activity, and expected time of treatment
- (3) Written records should be maintained of all orders and receipts

Arrangement has been made to have all deliveries of radioactive materials during normal working hours. All packages shall be carried directly to the Nuclear Medical Laboratory. Upon arrival a complete survey of package will be done plus verification of the order.